

Title (en)
POSITION DETECTION DEVICE FOR ELEVATOR

Title (de)
POSITIONSERFASSUNGSVORRICHTUNG FÜR AUFZUG

Title (fr)
DISPOSITIF DE DÉTECTION DE POSITION POUR ASCENSEUR

Publication
EP 2075210 A4 20130424 (EN)

Application
EP 06821889 A 20061017

Priority
JP 2006320644 W 20061017

Abstract (en)
[origin: EP2075210A1] First and second detected bodies that are disposed so as to be spaced apart from each other in a direction of movement of a car are disposed at a first position that is either inside a hoistway or on the car, and first and second detectors are disposed at a second position. The first detector has a magnetic sensor on which a first detecting region is disposed, and the second detector has an optical sensor on which a second detecting region is disposed. Each of the first and second detected bodies can pass through the first and second detecting regions due to the movement of the car. The first detected body is inserted into the first detecting region when the car is within a predetermined door opening and closing enabled zone, and the second detected body is inserted into the second detecting region when the car is within a predetermined car floor alignment zone that is set within the door opening and closing enabled zone. The magnetic sensor can detect only presence or absence of insertion of the first detected body into the first detecting region among the first and second detected bodies. The optical sensor can detect presence or absence of insertion of either of the first and second detected bodies into the second detecting region.

IPC 8 full level
B66B 1/40 (2006.01); **B66B 7/02** (2006.01)

CPC (source: EP KR)
B66B 1/34 (2013.01 - KR); **B66B 1/36** (2013.01 - KR); **B66B 1/40** (2013.01 - EP); **B66B 7/00** (2013.01 - KR); **B66B 7/027** (2013.01 - EP)

Citation (search report)

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- [A] EP 0792833 A2 19970903 - OTIS ELEVATOR CO [US]
- [A] US 6082498 A 20000704 - COSTE STEVEN D [US], et al
- [A] EP 0382933 A2 19900822 - INVENTIO AG [CH]
- See references of WO 2008047406A1

Cited by
ITPN20110050A1

Designated contracting state (EPC)
DE

DOCDB simple family (publication)
EP 2075210 A1 20090701; **EP 2075210 A4 20130424**; **EP 2075210 B1 20150211**; CN 101500922 A 20090805; CN 101500922 B 20110420; JP 4907666 B2 20120404; JP WO2008047406 A1 20100218; KR 101084479 B1 20111121; KR 20090033257 A 20090401; WO 2008047406 A1 20080424

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EP 06821889 A 20061017; CN 200680055531 A 20061017; JP 2006320644 W 20061017; JP 2008539625 A 20061017; KR 20097001851 A 20061017